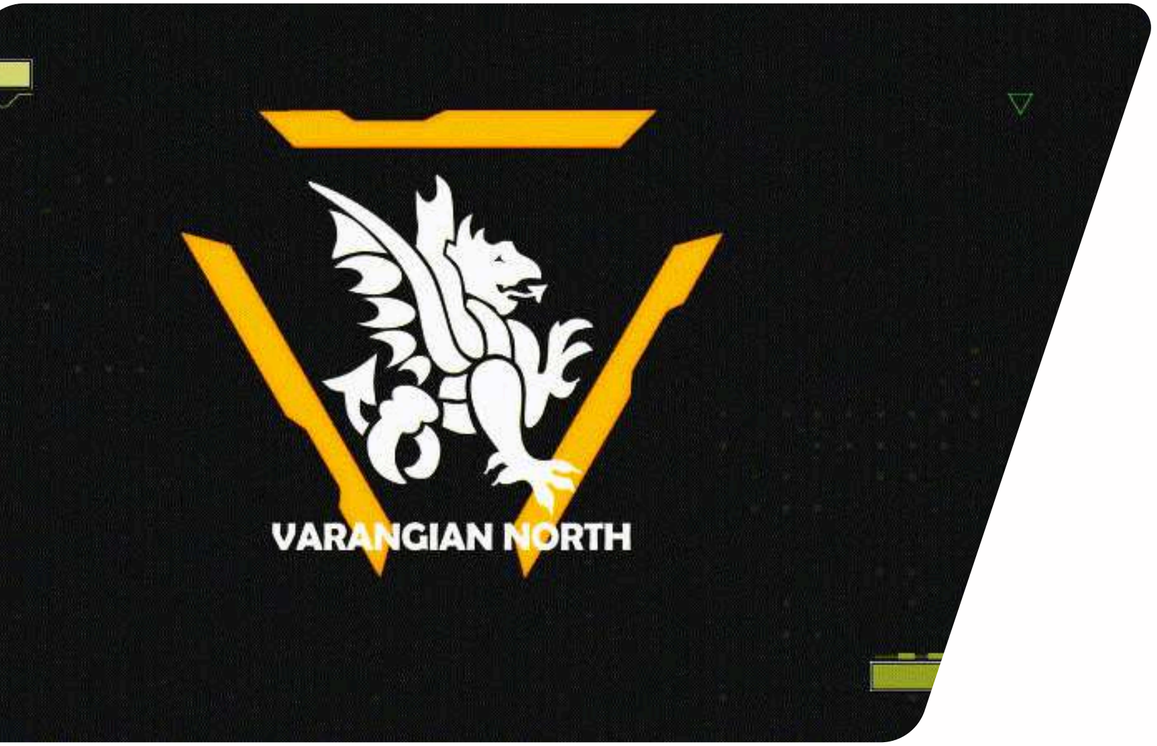
GAME DEVELOPMENT

GUEST SPEAKER: PANTELIS KASSOTIS
LEAD GAME DESIGNER @ FORTNITE'S VARANGIAN NORTH TEAM

INTRODUCTIONS

My name is Pantelis Kassotis and I work as the lead game designer of Fortnite's *Varangian North* development team, making maps with UEFN for both Epic and third party companies. I'm also the founder of *Warägergarde*, a AA gamedev studio in Athens, Greece, and *Paezo*, an educational mobile game publisher.



FORTNITE TEAM

Varangian North has developed Fortnite maps both independently and in partnership with larger teams within Epic Games. Some of our most well-known maps are Sea of Corruption, Taco Race, and LEGO Fortnite’s Doominion.

AGENDA

We'll get a good look at Unreal Editor for Fortnite, discuss its benefits for newcomers, and bring up real life examples of things to keep in mind before jumping into a project.

01 What is UEFN?

02 Case studies.

03 Questions and answers.

WHAT IS UEFN?

Unreal Editor for Fortnite is a specialized version of Unreal Engine released in 2023 tailored for creating and editing content within Fortnite, a popular online video game developed by Epic Games.

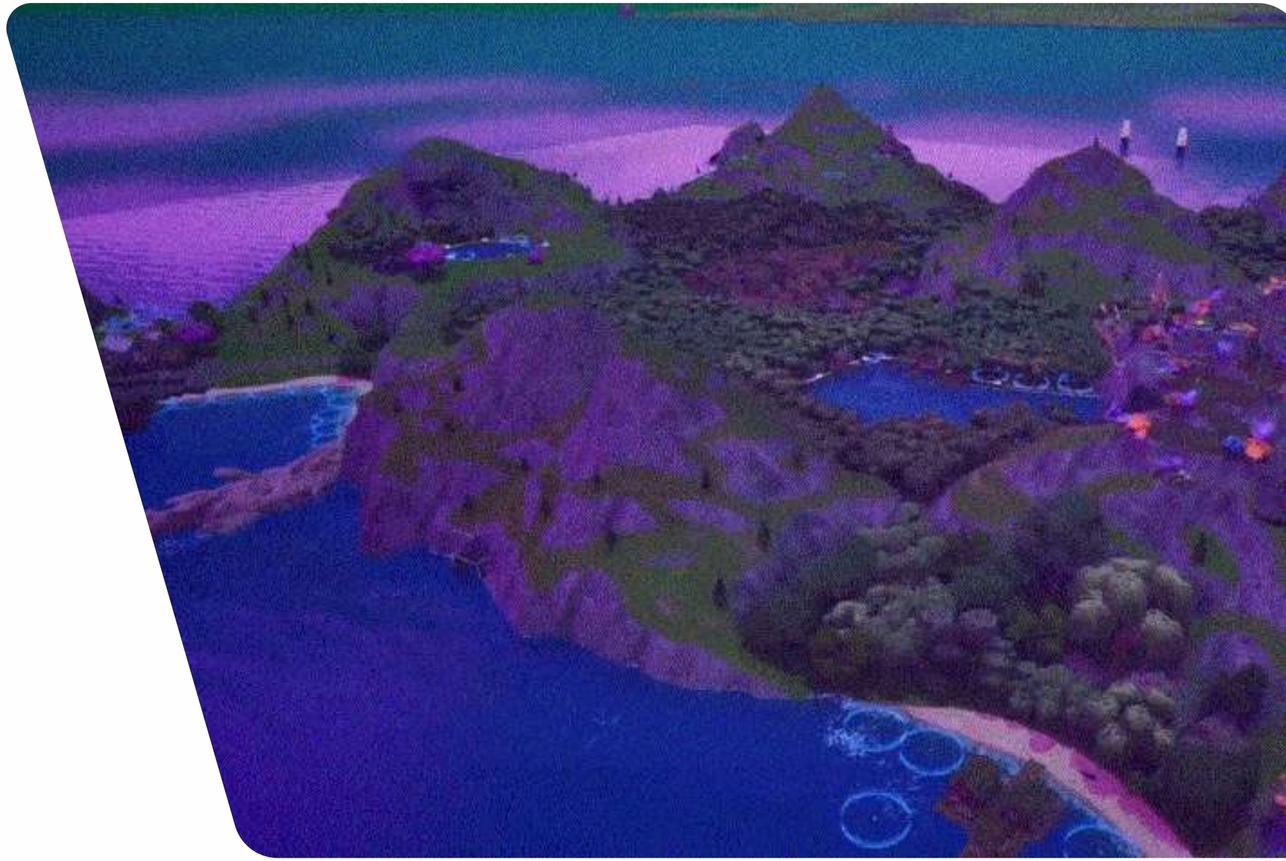
01 Great documentation with tutorials that guide you every step of the way.

02 Easy pathway to learning Unreal Engine.

03 You can use devices as no-code tools.

04 Includes prefabs and assets to help you make maps faster.

05 Reduces the barrier to entry in AAA game dev by giving a front row seat on how Fortnite is made.

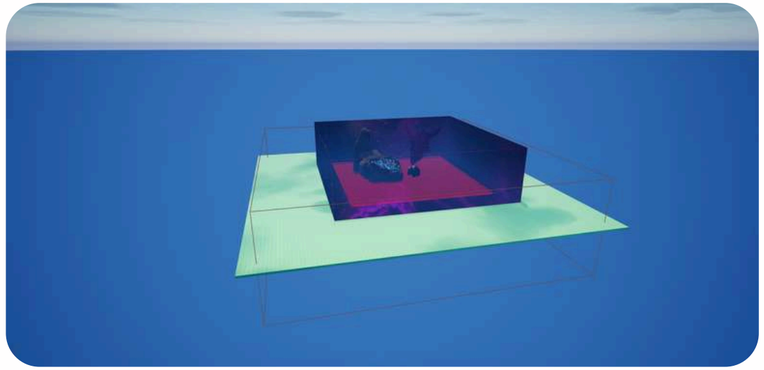


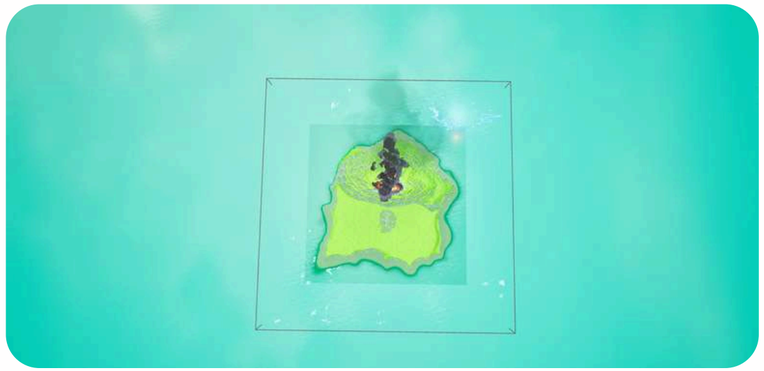
OTHER BENEFITS

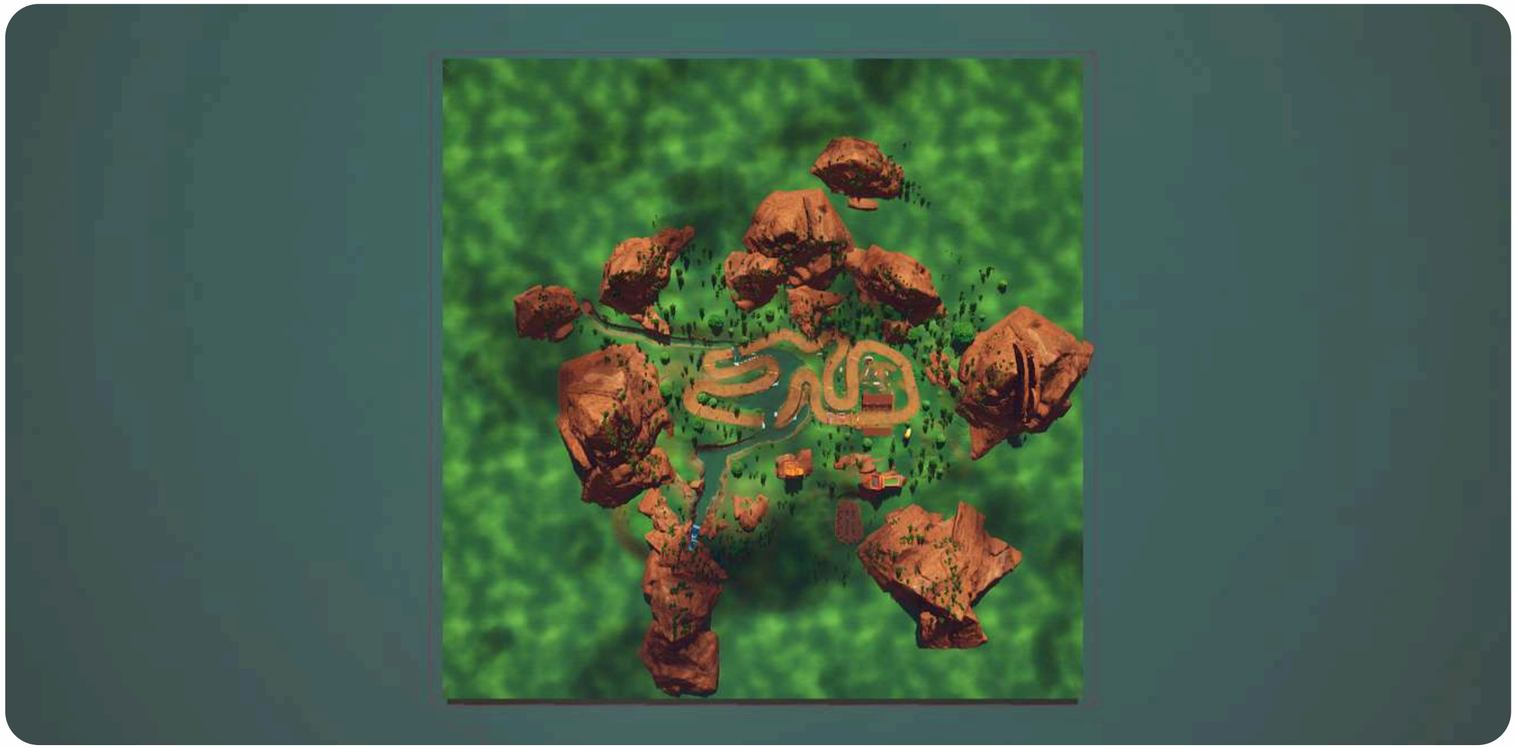
01 Fortnite's large player base gives you valuable data & feedback.

02 You get to build games at the highest technical level possible with a lot less effort (e.g. Metahumans).

CASE STUDIES







SEA OF CORRUPTION

MEMORY MANAGEMENT

Sea of Corruption started out as an ambitious project filled with points of interest, NPCs, quests and very detailed environments. This resulted in massive performance issues that rendered the game unplayable on lower-end devices.

01 Think about player engagement. Is your game playable on all settings?

02 We used World Partition which divides the map in smaller sections that load one at a time.

THICK FORESTS & ANCIENT TEMPLES

PIRATE KING'S THRONE ROOM

ONE OF SIX HIDDEN TREASURE CAVES

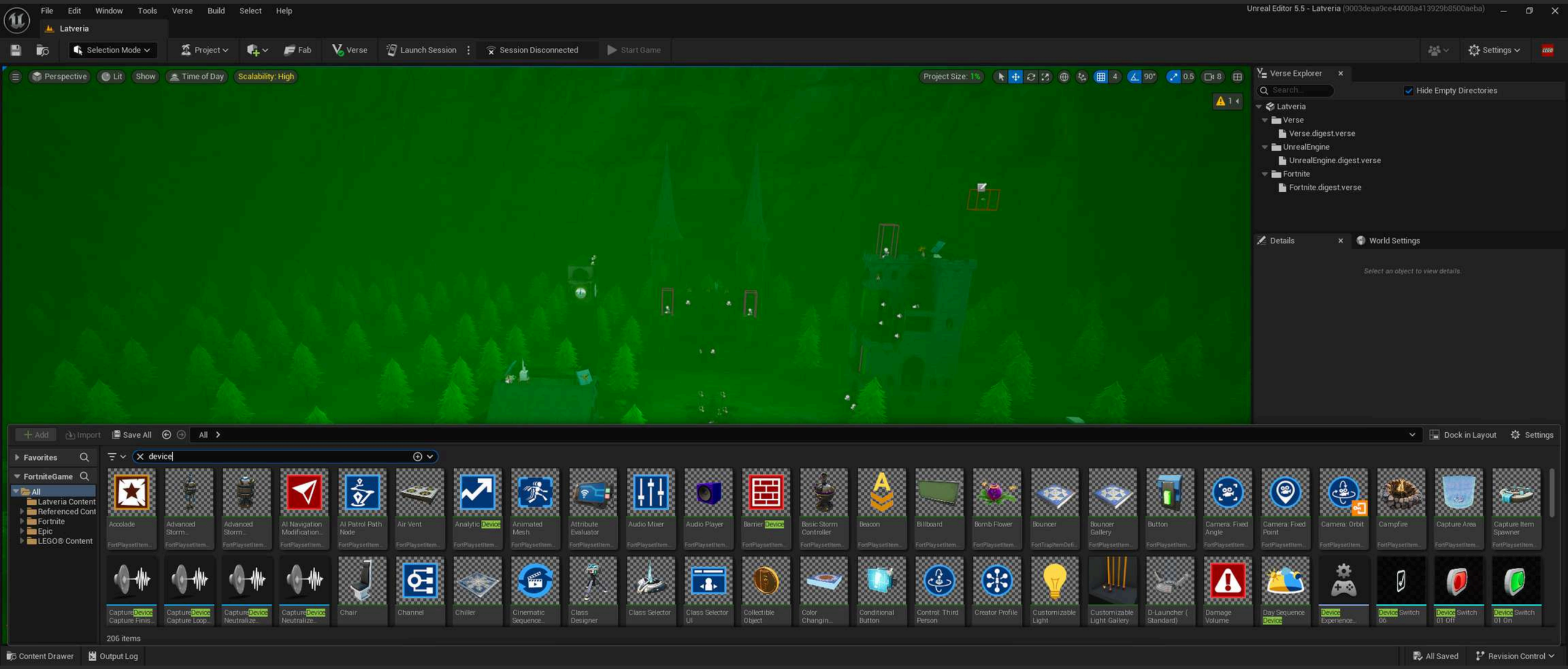
LEGO FORTNITE DOOMINION

PLAYER FREEDOM

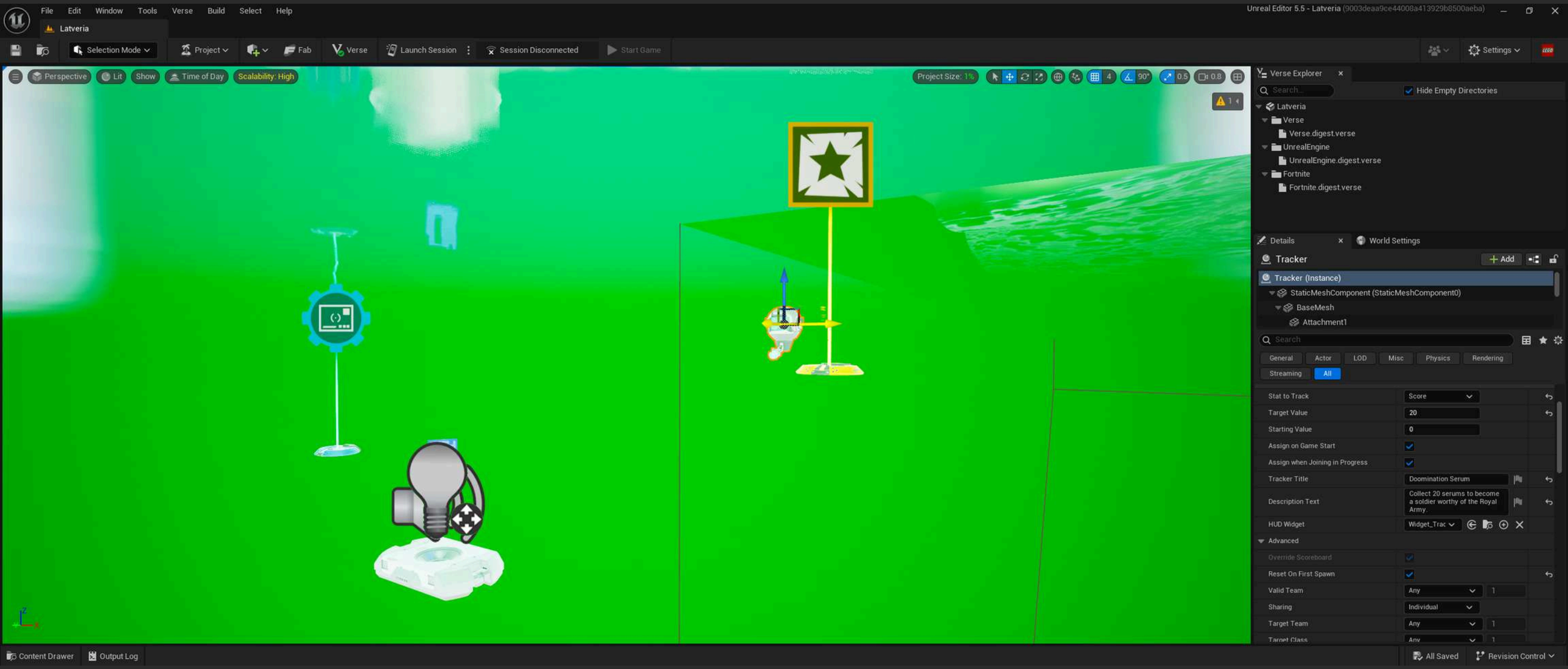
Doominion offers one simple mission (collect serums) but it also allows players to engage with the environment and break apart any buildings or forests standing in their way.

01 Breakable objects make players want to stay in the game longer.

02 Make sure breakable objects don't literally break your game.

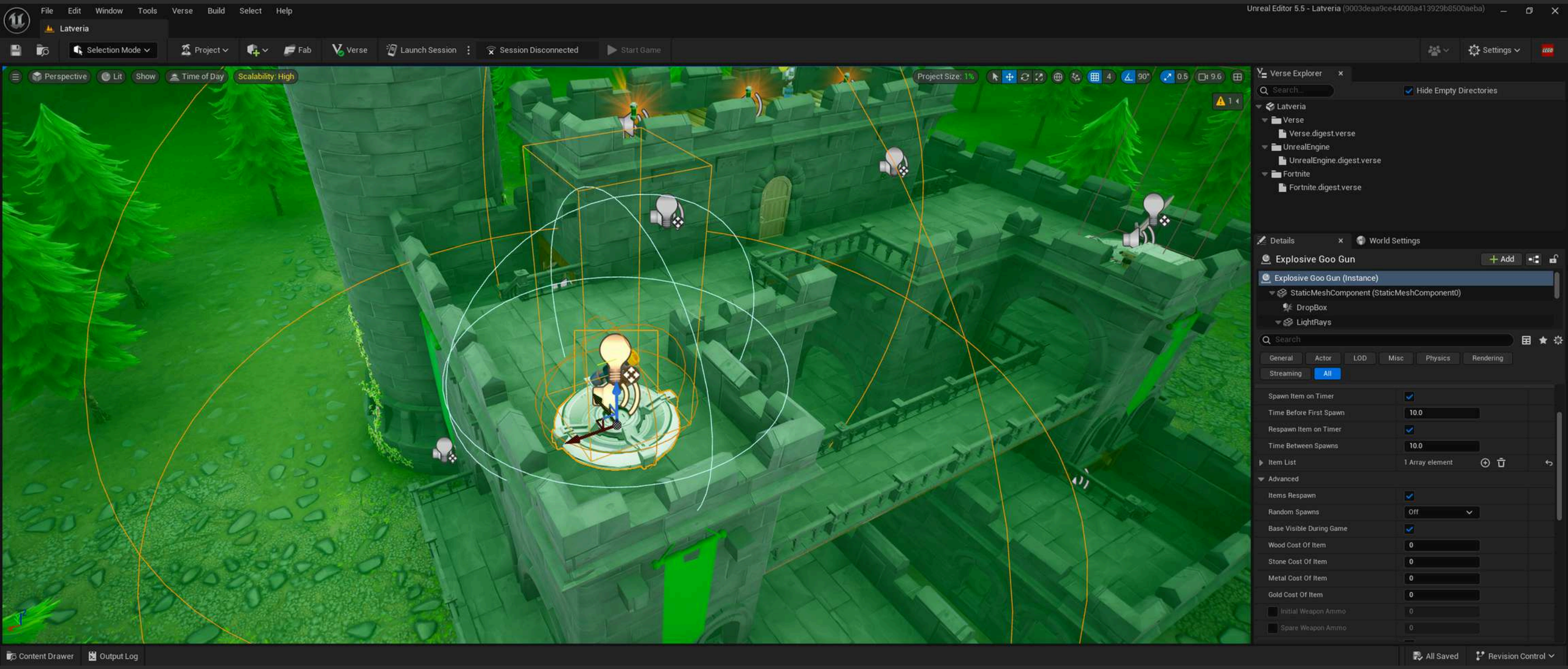


DRAG & DROP ANY DEVICE YOU NEED



ATTACH DEVICES TOGETHER LIKE BLUEPRINTS

GAME MODE
Game in Progress
Doomination Serum
Collect 20 serums to become a soldier worthy of the Royal Army.
2/20
0:00
1
0
0 / 80,000 Stage 1 of 5
Earn XP with an eligible
friend in Battle Roy...
GRAPPLER
CREATE QUESTS

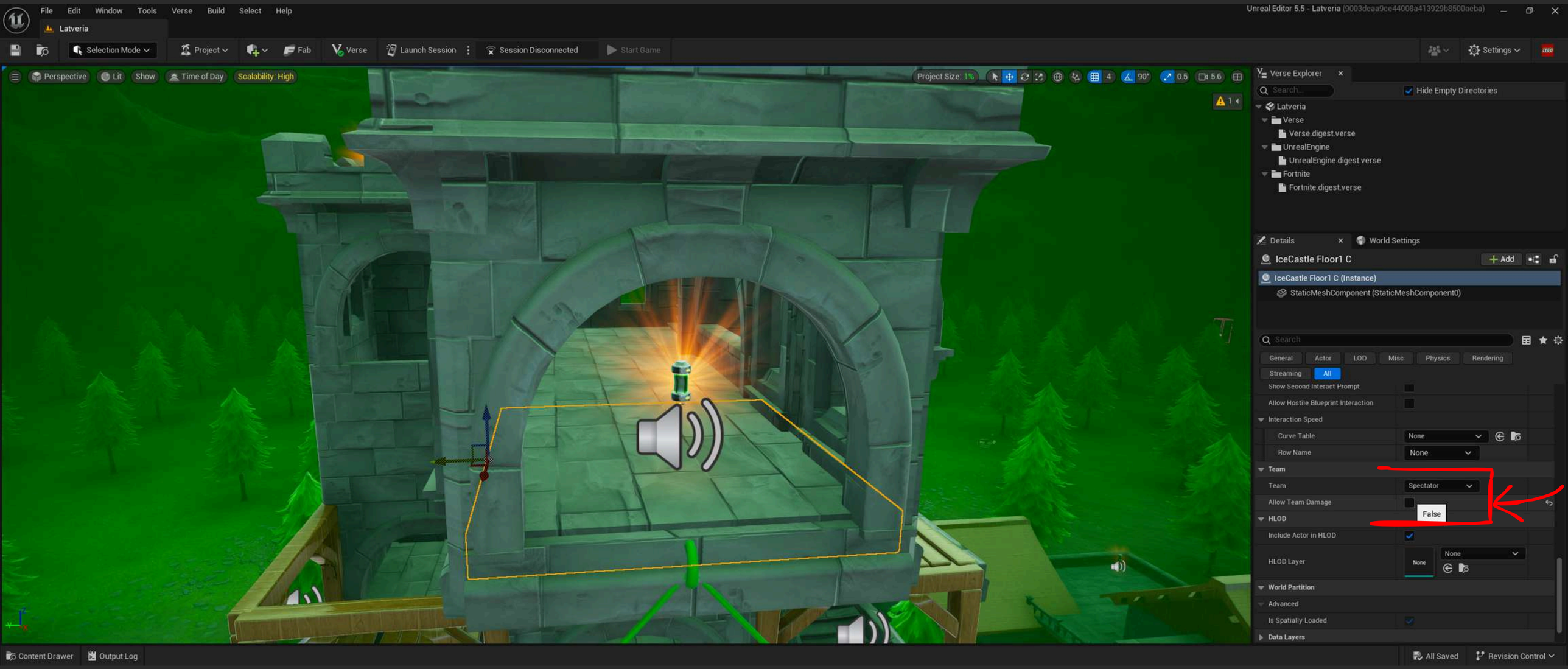


GIVE PLAYERS LOTS OF WAYS TO PLAY

GAME MODE
Game in Progress
Doomination Serum
Collect 20 serums to become a soldier worthy of the Royal Army.
0
0:00
1
0
0 / 80,000 Stage 1 of 5
Earn XP with an eligible friend in Battle Roy...
GRAPPLER
USE WEAPONS AS TOOLS OF NAVIGATION

GAME MODE
Game in Progress
Doomination Serum
Collect 20 serums to become a soldier worthy of the Royal Army.
1/20
0:00 1 0
0 / 80,000 Stage 1 of 5
Earn XP with an eligible friend in Battle Roy...
90 450
0 | ∞
EXPLOSIVE DOG GUN

OR AS TOOLS OF GOOD OLD DESTRUCTION



MAINTAIN THE INTEGRITY OF THE GAME

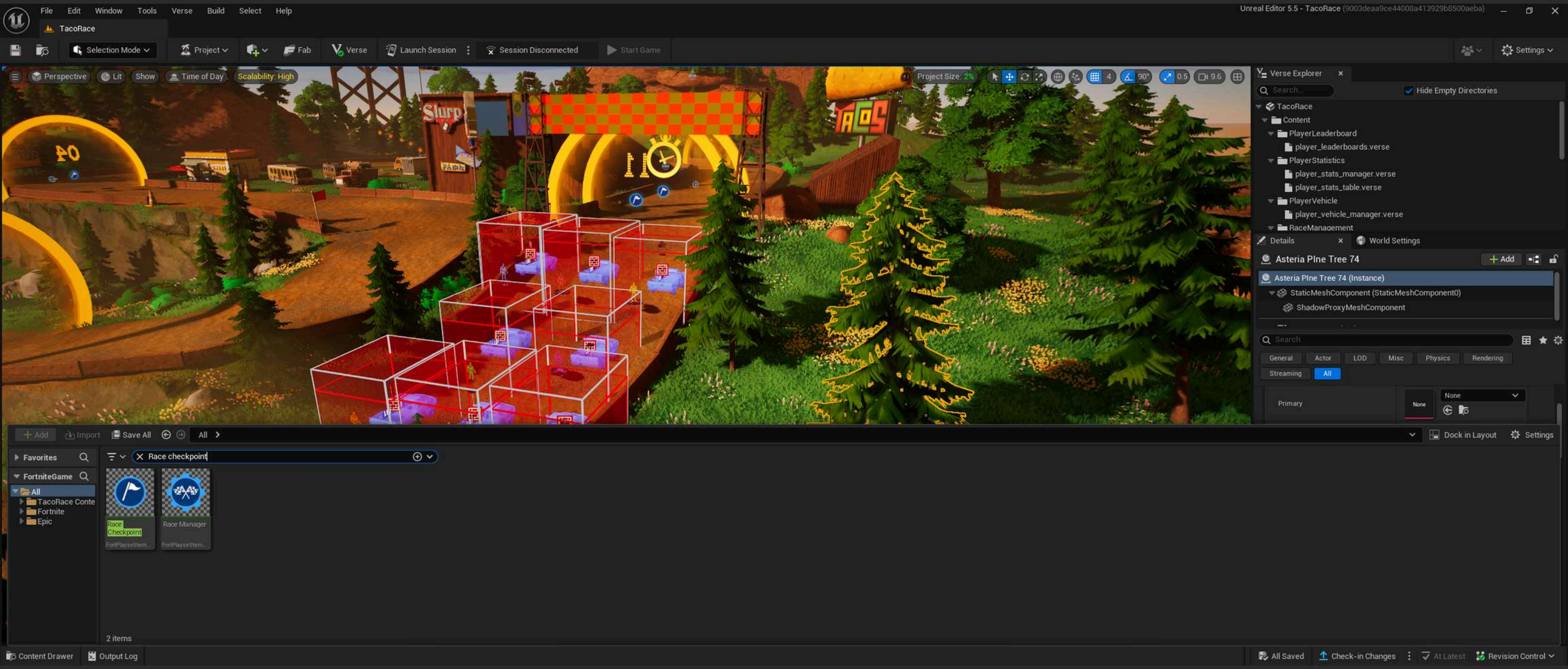
TACO RACE
LVIII

BLENDING OF GENRES

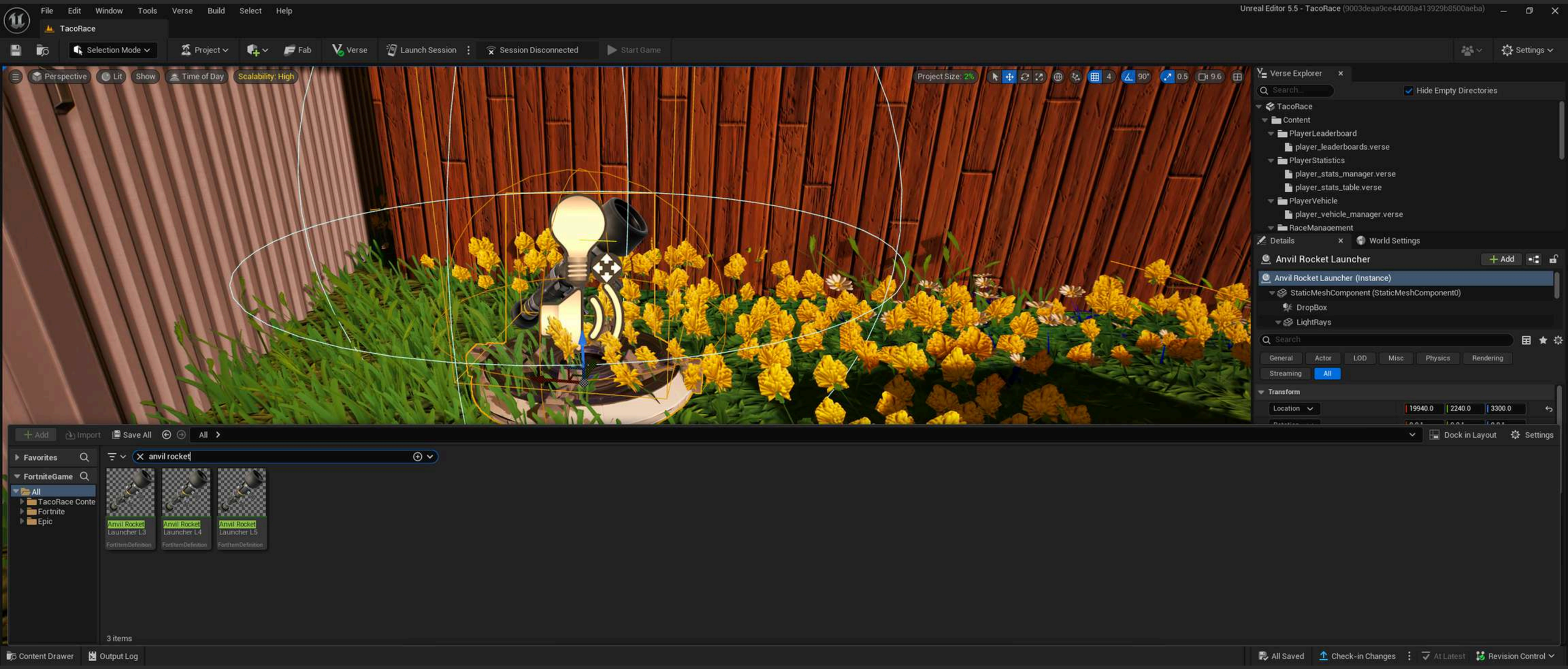
In Taco Race LVIII you need to beat the opposing player's speed records. At first it looks like a typical Rocket Racing map until you realize your opponents can exit their cars and shoot at you.

01 Sabotage your opponents and avoid their counterattacks.

02 Rocket Racing and classic Fortnite rolled into one.



ADD ROCKET RACING ELEMENTS



AND CLASSIC FORTNITE ELEMENTS

GAME MODE
Game in Progress
CRAZY 8 - OFF ROAD
0:20.41
BEST LAP 0:00.00
LAP 1/2
2/11
ROUND 01/03
0
Handbrake
Horn
Switch Seat
Exit (Hold)
Boost
Radio On / Off
Radio Next
5,000
10,000
73
SET THE FASTEST LAP RECORD TO WIN

GAME MODE
Game in Progress
CRAZY 8 - OFF ROAD
1:06.60
BEST LAP 0:00.00
LAP 1/2
1/11
ROUND 01/03
0
10,000
1/10
DESTROY ENEMY CARS

GAME MODE
Game In Progress
CRAZY 8 - OFF ROAD
1:59.79
BEST LAP 0:00.00
LAP 1/2
5/11
ROUND 01/03
0
60m
Handbrake
Honk
Switch Seat
Exit (Hold)
Radio On / Off
Radio Next
Analytic event <Pass_Checkpoint_5> triggered: Test mode, event will not be sent.
Analytic event <Pass_Checkpoint_5> triggered: Test mode, event will not be sent.
3,806
10,000
60
CONTROL YOUR DAMAGED CAR

CLOSING REMARKS

UEFN allows for a vast amount of outcomes. You can stay within the classic styles of gameplay or experiment with unique styles of your own. Whatever your challenge is, UEFN has a solution for you.

THANK YOU

QUESTIONS & ANSWERS

At this point we've discussed what UEFN is, what its benefits are, and what to expect when designing a Fortnite island as a beginner. Feel free to ask questions.

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